

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application.

3 **Listing of Claims:**

4 Claim 1 (Previously presented): A method for selecting a color map for
5 use in printing a document, comprising:

6 obtaining color space information about the document;
7 obtaining at least two color maps; and
8 determining which of the at least two color maps will result in a printed
9 document that is more consistent with the color space information and a desired
10 rendering intent.

11 Claim 2 (Original): The method of claim 1, wherein the at least two color
12 maps are derived from color information obtained by sensors in a print path of a
13 printer.

14 Claim 3 (Original): The method of claim 1, wherein the determining step
15 comprises:

16 analyzing a boundary of each color map; and
17 performing a best-fit analysis with respect to the color space information.

1 **Claim 4 (Original):** The method of claim 3, wherein best-fit analysis
2 comprises mean and maximum difference calculations on boundaries of a color
3 space consistent with the color space information and a color space associated
4 with each of the at least two color maps.

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6 **Claim 5 (Original):** The method of claim 3, wherein best-fit analysis is
7 based on calculating and comparing volumes of a color space associated with the
8 document and of a color space associated with each of the color maps.

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10 **Claim 6 (Original):** The method of claim 3, wherein best-fit analysis is
11 based on determining a percentage of colors used by the document contained
12 within each of the at least two color maps.

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14 **Claim 7 (Original):** The method of claim 3, wherein best-fit analysis is
15 based on determining the percentage of the area of the document associated with
16 colors contained within each of the color maps.

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18 **Claim 8 (Original):** The method of claim 1, additionally comprising:
19 generating a custom gamut mapping.

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21 **Claim 9 (Original):** The method of claim 1, additionally comprising:
22 previewing an approximation of a printed appearance of the document
23 based on at least one of the at least two color maps.

1 Claim 10 (Original): The method of claim 1, additionally comprising:
2 providing a preferences interface to an author, whereby the author may
3 indicate a preferred rendering intent to constrain the determining step.

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5 Claim 11 (Original): The method of claim 1, wherein the desired
6 rendering intent is based on an absolute colorimetric.

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8 Claim 12 (Previously presented): The method of claim 1, wherein the
9 desired rendering intent is based on a perceptual rendering intent.

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11 Claim 13 (Original): The method of claim 1, additionally comprising
12 locating the at least two color maps on a print server.

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14 Claim 14 (Original): The method of claim 1, additionally comprising
15 locating the at least two color maps on individual printers.

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17 Claim 15 (Original): A method, comprising:
18 obtaining color space information about a document;
19 evaluating the color space information and at least two color maps; and
20 determining which of the at least two color maps will result in a printed
21 document more consistent with the color space information and a desired
22 rendering intent.

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24 Claim 16 (Original): The method of claim 15, additionally comprising
25 providing a library of color maps from which to select for the evaluating step.

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2 **Claim 17 (Original):** The method of claim 15, additionally comprising
3 providing an interface to determine the desired rendering intent.
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5 **Claim 18 (Original):** A computer-readable medium having computer
6 executable instructions thereon which, when executed by a printing system, cause
7 the printing system to:

8 obtain color space information on the document;
9 evaluate the color space information and at least two color maps; and
10 determine which of the at least two color maps will result in a printed
11 document more consistent with the color space information and a desired
12 rendering intent.

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14 **Claim 19 (Original):** A system, comprising:
15 a document requirements module, to obtain color space information on a
16 document; and
17 an evaluation module to determine which, of at least two color maps
18 associated with at least one printer, will result in a printed document more
19 consistent with the color space information and a desired rendering intent.

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21 **Claim 20 (Original):** The system of claim 19, additionally comprising:
22 a preferences interface, to obtain information from a document's author on
23 the desired rendering intent.

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2 **Claim 21 (Original): The system of claim 19, additionally comprising:**
3 **a gamut management module, in communication with the evaluation**
4 **module, to organize a gamut library.**

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